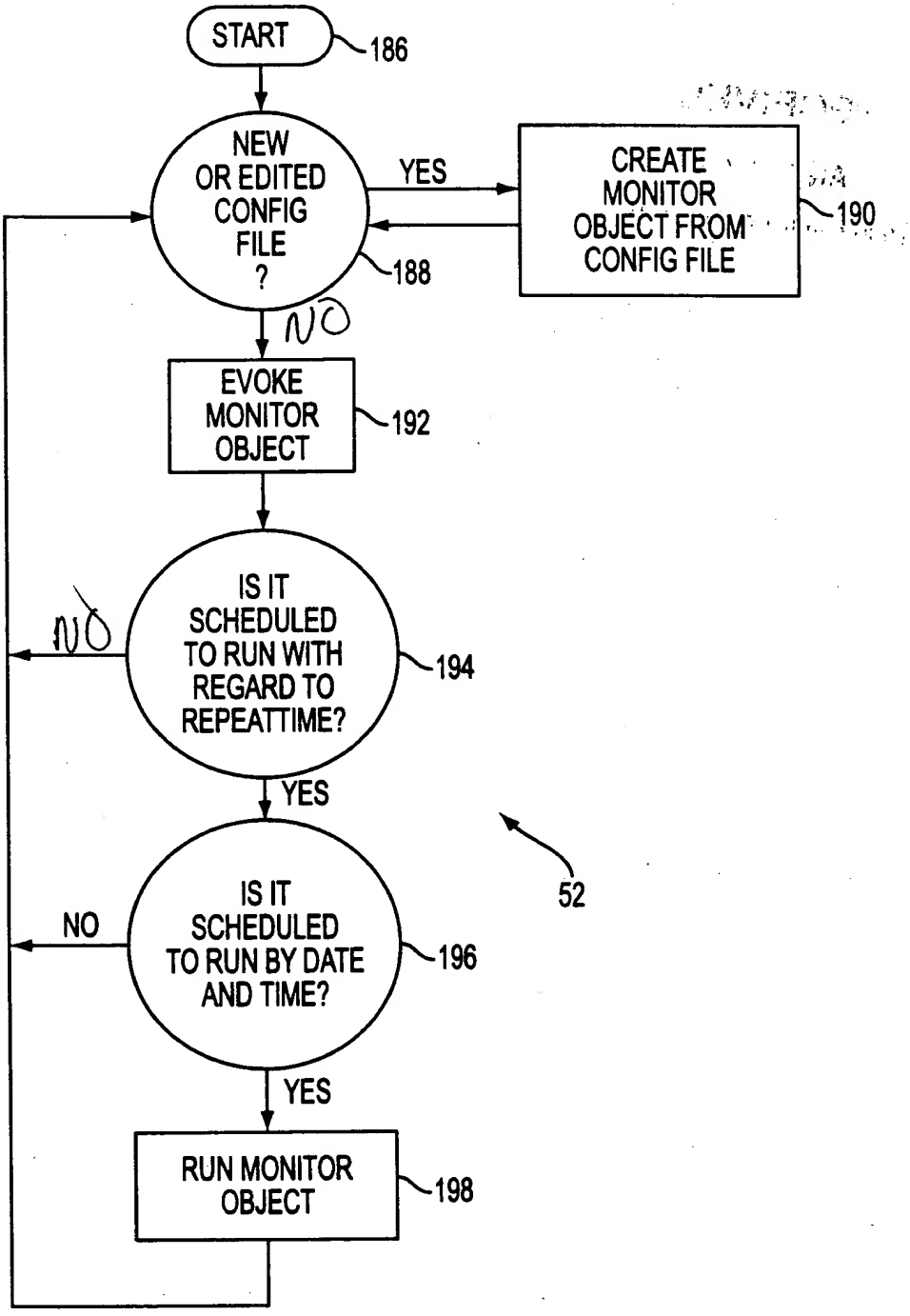
START
186
NEW OR EDITED CONFIG FILE ?
188
YES
CREATE MONITOR OBJECT FROM CONFIG FILE
190
NO
EVOKE MONITOR OBJECT
192
IS IT SCHEDULED TO RUN WITH REGARD TO REPEATTIME?
194
NO
YES
IS IT SCHEDULED TO RUN BY DATE AND TIME?
196
NO
YES
RUN MONITOR OBJECT
198
52

FIG. 7

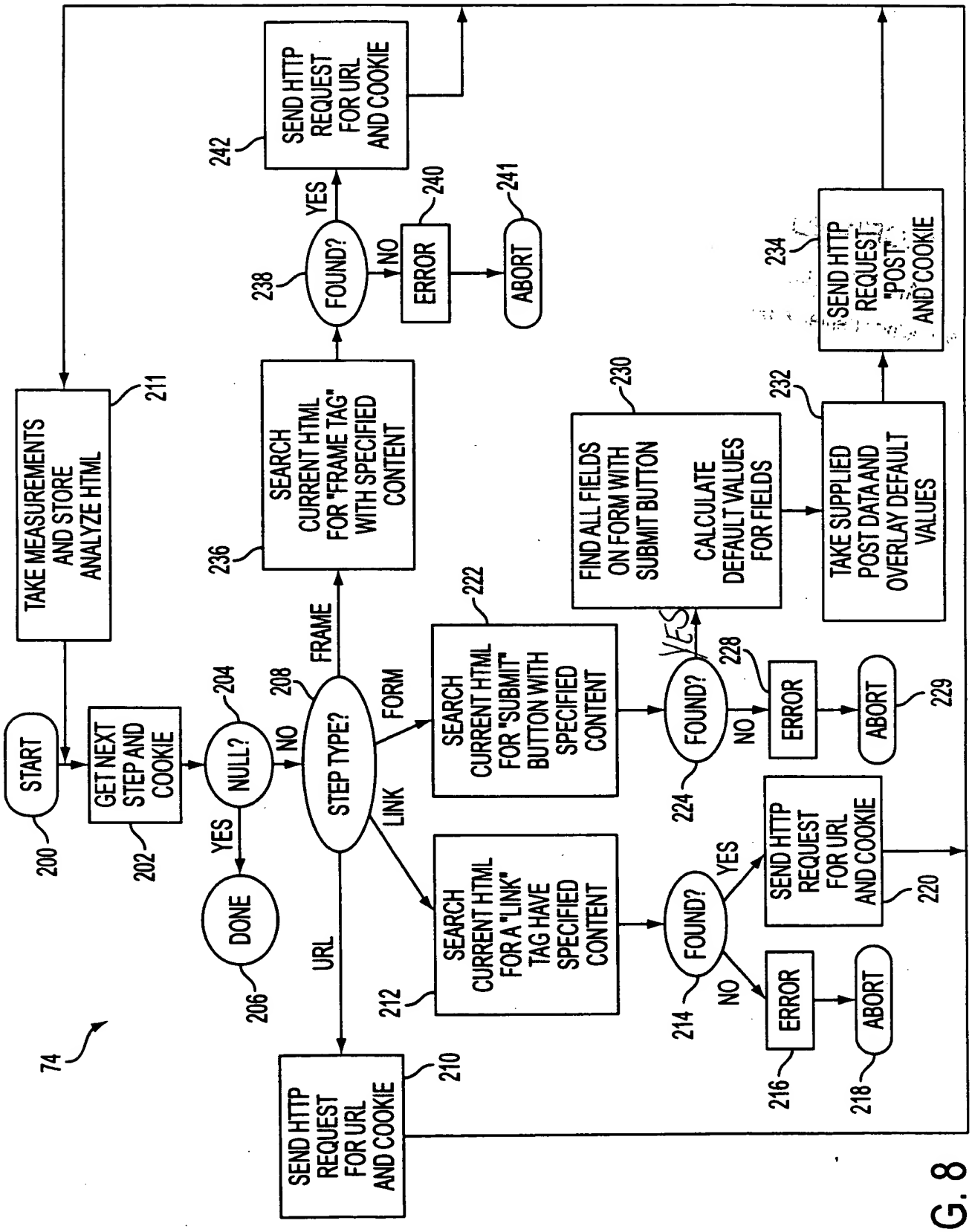
START
200
GET NEXT STEP AND COOKIE
202
NULL?
204
YES
NO
DONE
206
STEP TYPE?
208
FRAME
URL
LINK
FORM
TAKE MEASUREMENTS AND STORE ANALYZE HTML
211
SEND HTTP REQUEST FOR URL AND COOKIE
210
SEARCH CURRENT HTML FOR A "LINK" TAG HAVE SPECIFIED CONTENT
212
FOUND?
214
YES
NO
SEND HTTP REQUEST FOR URL AND COOKIE
220
ERROR
216
ABORT
218
SEARCH CURRENT HTML FOR "SUBMIT" BUTTON WITH SPECIFIED CONTENT
222
FOUND?
224
YES
NO
ERROR
228
ABORT
229
FIND ALL FIELDS ON FORM WITH SUBMIT BUTTON
CALCULATE DEFAULT VALUES FOR FIELDS
230
TAKE SUPPLIED POST DATA AND OVERLAY DEFAULT VALUES
232
SEND HTTP REQUEST "POST" AND COOKIE
234
SEARCH CURRENT HTML FOR "FRAME TAG" WITH SPECIFIED CONTENT
236
FOUND?
238
YES
NO
ERROR
240
ABORT
241
SEND HTTP REQUEST FOR URL AND COOKIE
242
74

FIG. 8

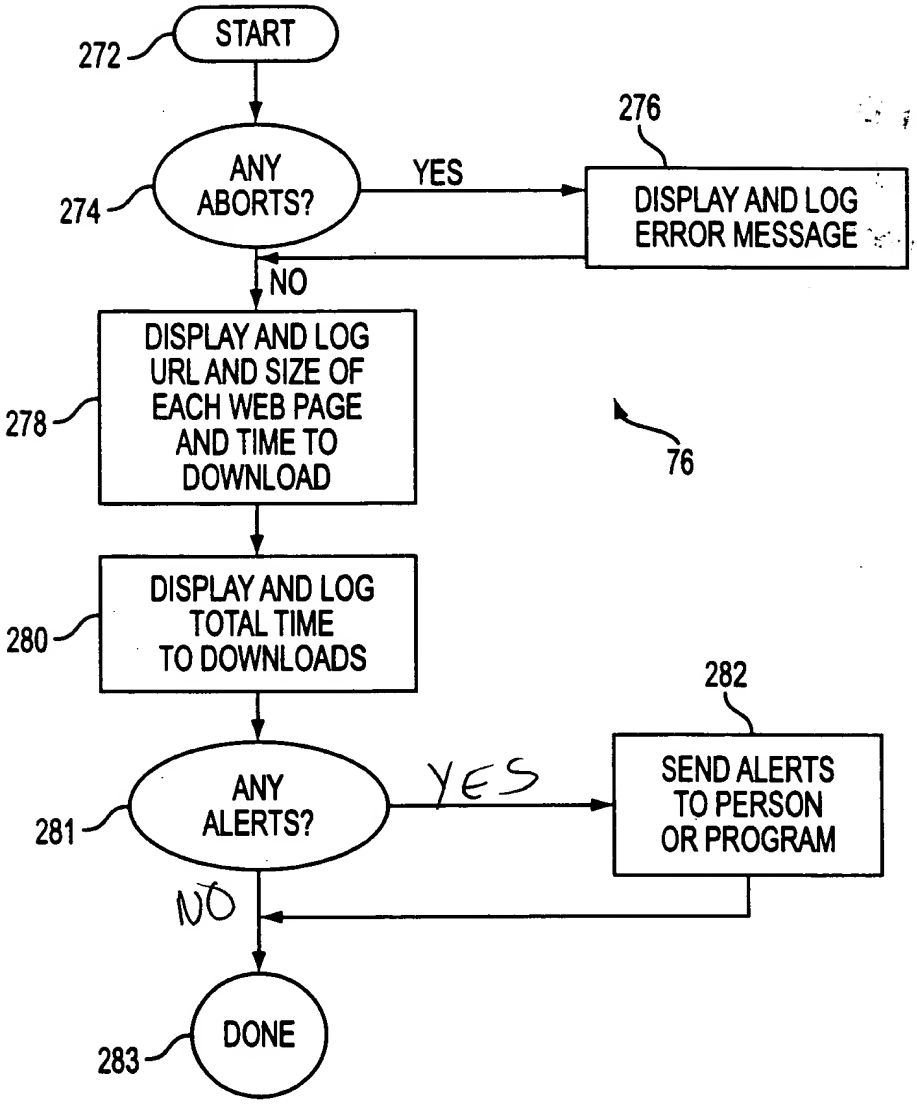
START
272
ANY ABORTS?
274
YES
276
DISPLAY AND LOG ERROR MESSAGE
NO
DISPLAY AND LOG URL AND SIZE OF EACH WEB PAGE AND TIME TO DOWNLOAD
278
76
DISPLAY AND LOG TOTAL TIME TO DOWNLOADS
280
ANY ALERTS?
281
YES
282
SEND ALERTS TO PERSON OR PROGRAM
NO
DONE
283

FIG. 9

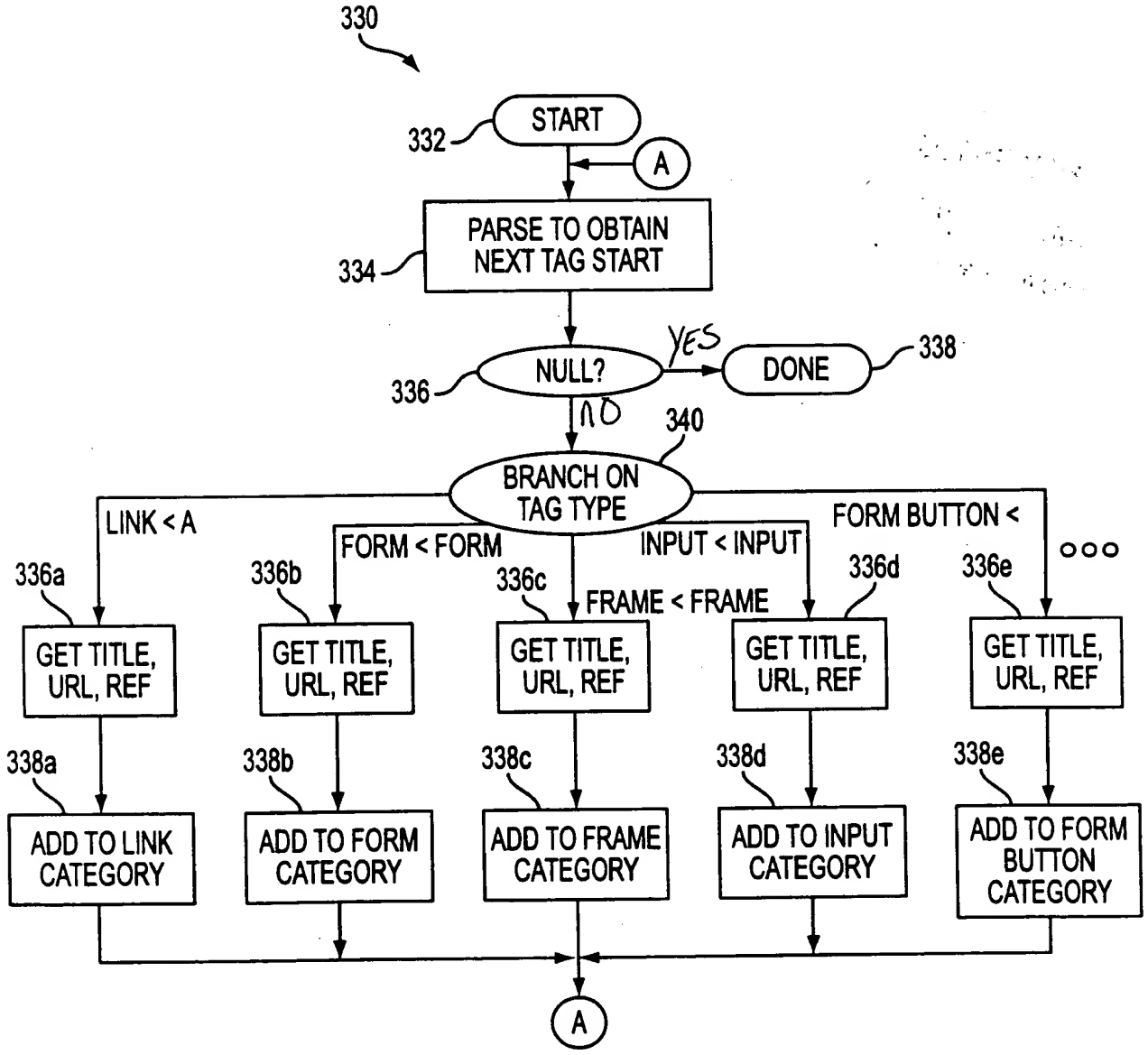
330
START
332
A
PARSE TO OBTAIN NEXT TAG START
334
NULL?
YES
DONE
338
336
NO
340
BRANCH ON TAG TYPE
LINK < A
FORM < FORM
INPUT < INPUT
FORM BUTTON <
FRAME < FRAME
ooo
336a
336b
336c
336d
336e
GET TITLE, URL, REF
GET TITLE, URL, REF
GET TITLE, URL, REF
GET TITLE, URL, REF
GET TITLE, URL, REF
338a
338b
338c
338d
338e
ADD TO LINK CATEGORY
ADD TO FORM CATEGORY
ADD TO FRAME CATEGORY
ADD TO INPUT CATEGORY
ADD TO FORM BUTTON CATEGORY
A

FIG. 10A

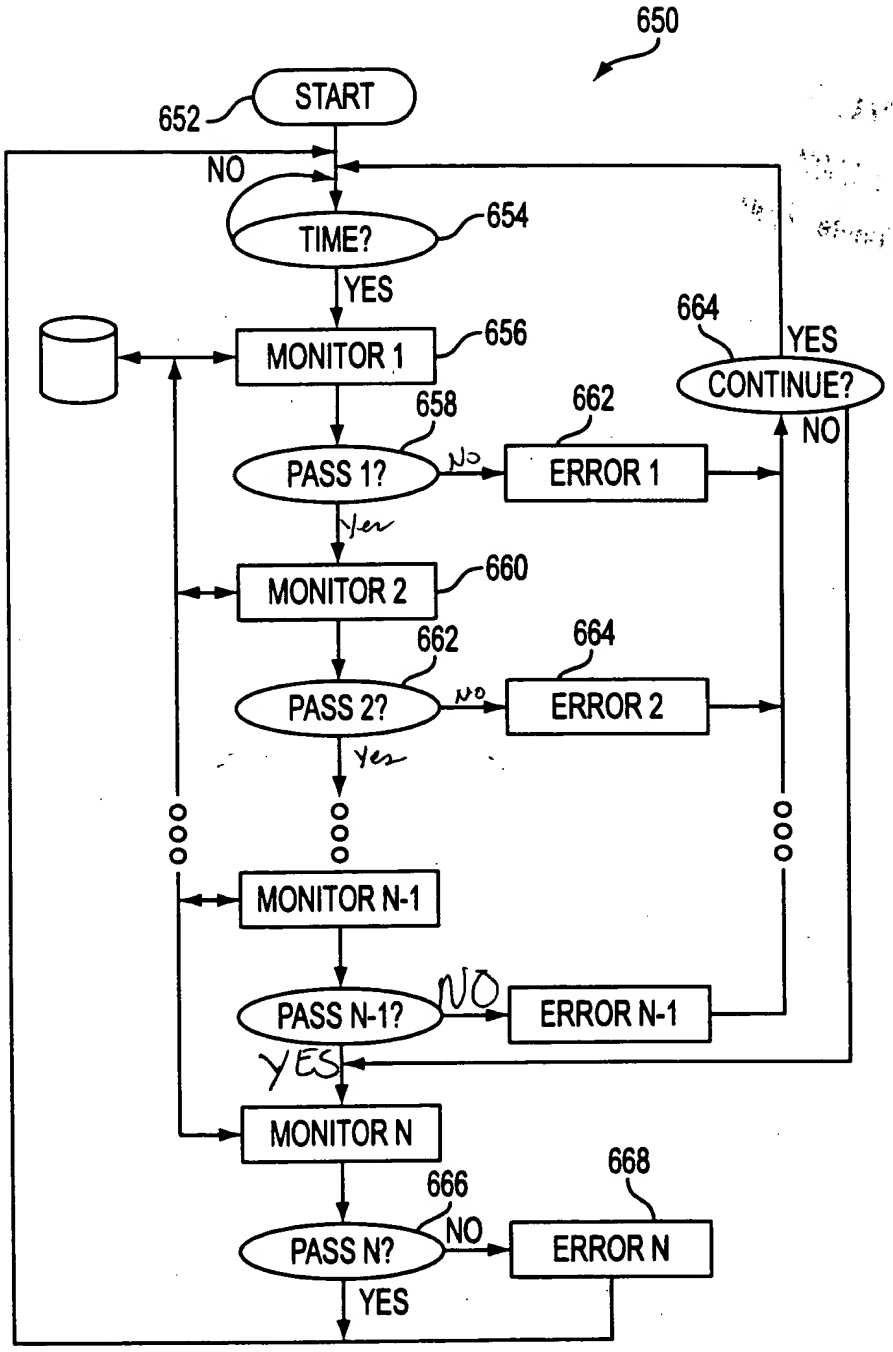
650
START
652
NO
TIME?
654
YES
MONITOR 1
656
658
PASS 1?
NO
662
ERROR 1
664
YES
CONTINUE?
NO
MONITOR 2
660
662
PASS 2?
NO
664
ERROR 2
MONITOR N-1
PASS N-1?
NO
ERROR N-1
YES
MONITOR N
666
PASS N?
NO
668
ERROR N
YES

FIG. 14